

**HARRAN UNIVERSITY FACULTY OF SCIENCE AND ARTS
DEPARTMENT OF BIOLOGY**

Course Name	Code	Semester	T+P	Credits	ECTS
BIOCHEMISTRY-II	0804608	2 (Spring)	3+0	3	4

Prerequisite Course(s)	-
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Language of Instruction	Turkish
Type of Course	Compulsory
Coordinator	Prof. Dr. Faruk SÜZERGÖZ
Instructor	Prof. Dr. Faruk SÜZERGÖZ
Co-instructors	
Course Objectives	The aim of the lesson is to teach the importance of the proteins, enzymes, hormones and vitamins in our life
Course Outcomes	Students will learn biological and chemical characteristics of aminoacides. Students will have knowledge about structure, digestion, synthesis and metabolism of proteins. Students will learn about vitamins and minerals and understand about their importans for our life Students will learn about enzymes and hormones and understand about their importans for our life.
Course Contents	Structure, digestion of proteins, aminoacide and protein synthessis, vitamins, minerals, hormones and gastrointestinal system biochemistry

Weeks	Topics
1	Basic structures of aminoacides
2	Chemicalbasis of aminoacides
3	physicalbasis of aminoacides
4	General strustures of proteins
5	Classisfication of proteins
6	Digestion of proteins
7	Protein synthesis
8	Protein synthesis
9	Midterm ezam
10	Nücleicacides
11	Hormones
12	Enzimes
13	Vitmains
14	Gastrointestinalsystembiochemistry

General Capabilities
Teaching and disseminating practical information about the regular work of the body, by getting general information about the occurrence of biochemical events in the body, and communicating them primarily to their students and their immediate surroundings.

Recommended or Required Reading
1. NesrinEmekli, Basic and Applied Biochemistry Nobel, 2003 2. Gözükara EM. Biyokimya Nobel 2001 3. Tüzün C. Biyokimya Palme yayıncılık. İstanbul 4. Mehmetoğlu İ. KlinikBiyokimyaLaboratuvarıİnciOfset. Konya 4. Adam B, Göker Z, Ardıçoğlu Y. TemelveKlinikBiyokimya. Atlas Kitapçılık. Ankara

Form of Assessment
Mid-term exam : 40% Final exam : 60% Projects : Homework :

